

Fig. 1

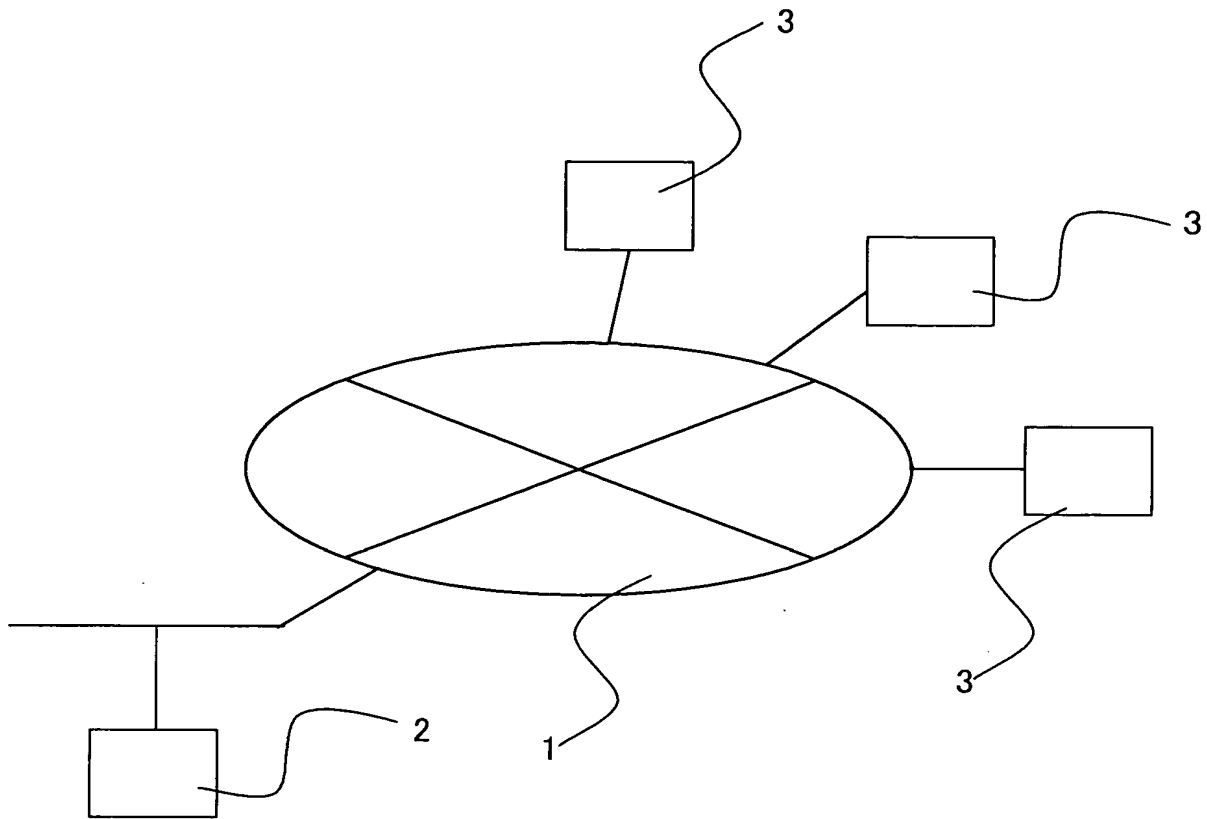


Fig. 2

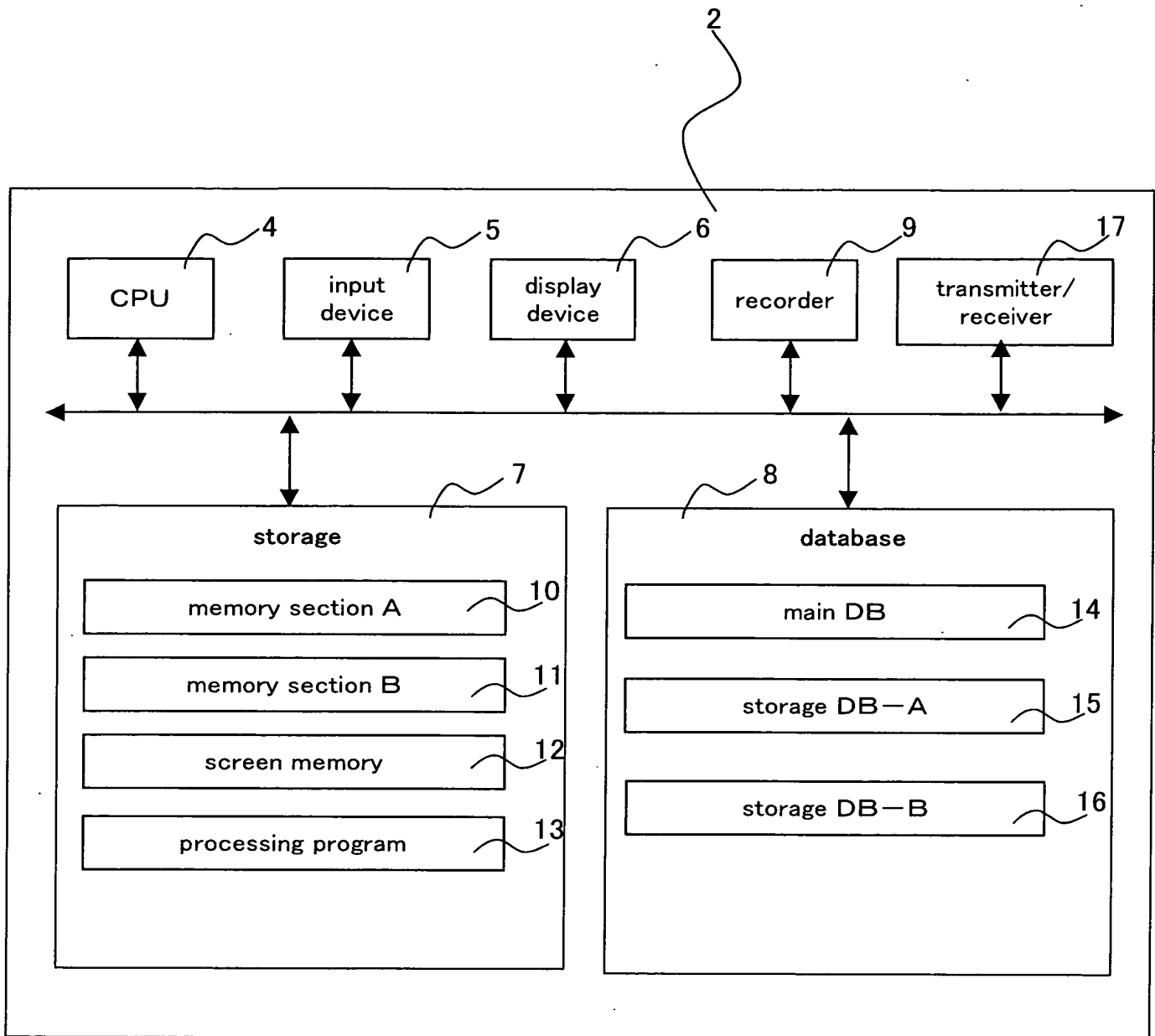


Fig. 3

| Polymorphism address | ..... | Polymorphism classification | Polymorphism pattern | Classification (name of disease) | Annotative information on the polymorphism pattern (morbidity rate) | ..... | Level of disclosure (disclosability) |
|----------------------|-------|-----------------------------|----------------------|-------------------------------------|---|-------|---|
| 123456 | ..... | SNP | A | hypertension | a | ..... | ○ |
| 123456 | ..... | SNP | G | hypertension | b | ..... | ○ |
| 223456 | ..... | SNP | G | large-boowel cancer | (i) | ..... | ○ |
| 223456 | ..... | SNP | A | large-boowel cancer | (ii) | ..... | ○ |
| 234567 | ..... | SNP | G | stomach cancer | c | ..... | ○ |
| 234567 | ..... | SNP | A | stomach cancer | d | ..... | ○ |
| 334567 | ..... | SNP | A | asthma | (iii) | ..... | ○ |
| 334567 | ..... | SNP | G | asthma | (iv) | ..... | ○ |
| 345678 | ..... | SNP | C | diabetes | e | ..... | ○ |
| 345678 | ..... | SNP | T | diabetes | f | ..... | ○ |
| 445678 | ..... | SNP | T | lung cancer | (I) | ..... | ○ |
| 445678 | ..... | SNP | C | lung cancer | (II) | ..... | ○ |
| 456789 | ..... | SNP | T | pollinosis | g | ..... | ○ |
| 456789 | ..... | SNP | C | pollinosis | h | ..... | ○ |
| : | : | microsatellite | 14 times | immedicable disease | — | : | × |
| : | : | microsatellite | 9 times | immedicable disease | — | : | × |
| : | : | deletion | G | : | : | : | ○ |
| : | : | deletion | deletion | : | : | : | ○ |

Fig. 4

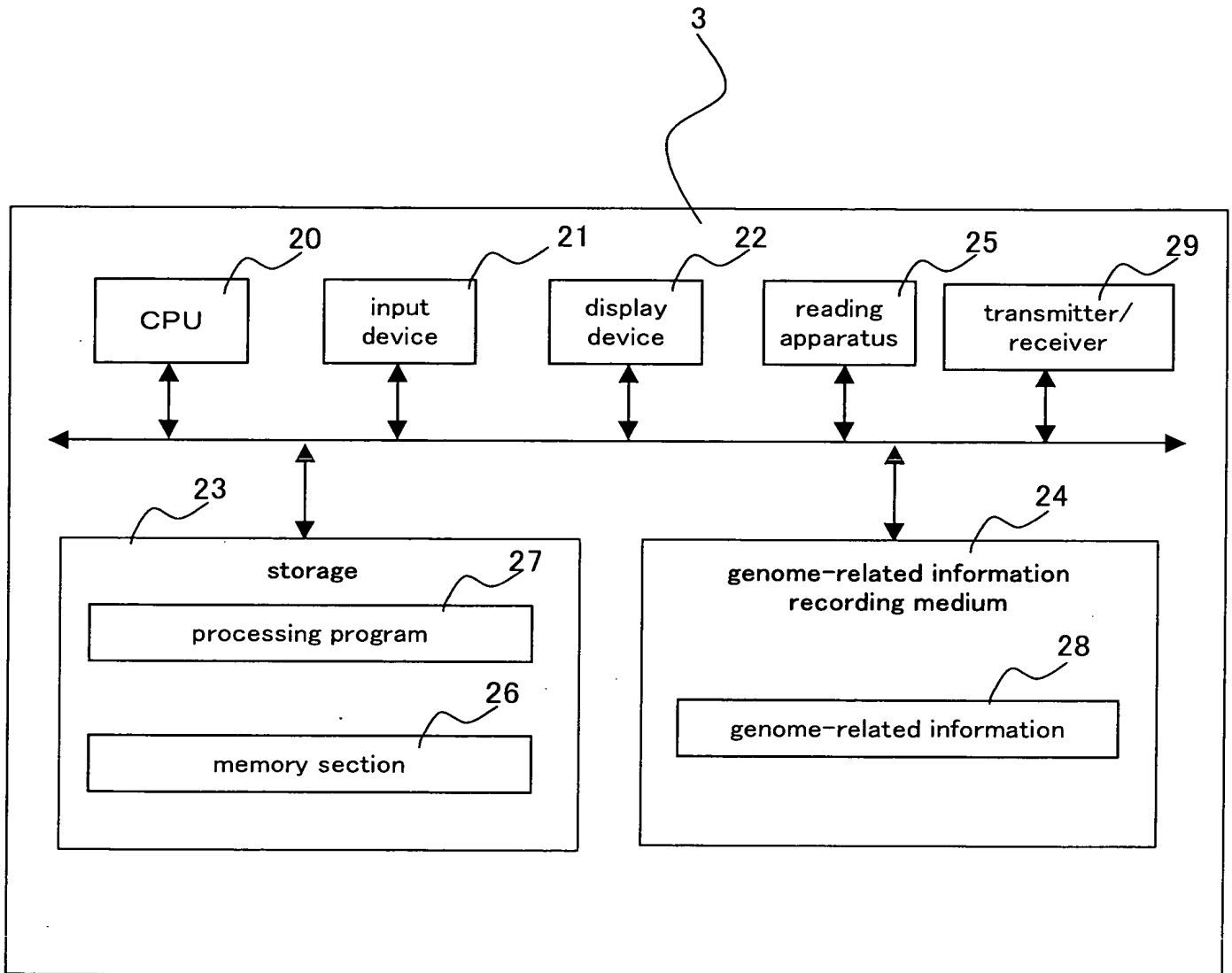


Fig. 5

I

| Gno. | Date of birth |
|------|---------------|
| 0001 | **,**,**** |

II

| Polymorphism address | Polymorphism pattern | Flag information | Comment |
|----------------------|----------------------|------------------|---------|
| 000001 | G |  | ..... |
| 000002 | T |  | ..... |
| : | : | : | : |
| 123456 | A |  | ..... |
| : | : | : | : |
| 223456 | G |  | ..... |
| : | : | : | : |
| 234567 | G |  | ..... |
| : | : | : | : |
| 334567 | G |  | ..... |
| : | : | : | : |
| 345678 | C |  | ..... |
| : | : | : | : |
| 445678 | T |  | ..... |
| : | : | : | : |
| 456789 | T |  | ..... |
| 456790 | G |  | ..... |
| 456791 | 14 times | N | ..... |
| 456792 | deletion |  | ..... |
| : | : | : | : |
| 666666 | A | N | ..... |
| : | : | : | : |
| 777777 | G | N | ..... |
| : | : | : | : |
| 888888 | C | N | ..... |
| : | : | : | : |

III

| Anamnesis |
|------------------|
| infantile asthma |
| gout |
| pollinosis |
| gastric ulcer |
| atopy |
| hypertension |
| diabetes |

IV

| Characteristics | Record |
|--------------------|--------|
| blood type | |
| body height | |
| body weight | |
| vision | |
| running ability | |
| psychological test | |
| : | : |
| : | : |

V.....

| (clinical record, etc.) |
|----------------------------------|
| |
| |
| |
| |
| |
| |
| |
| |

Fig. 6

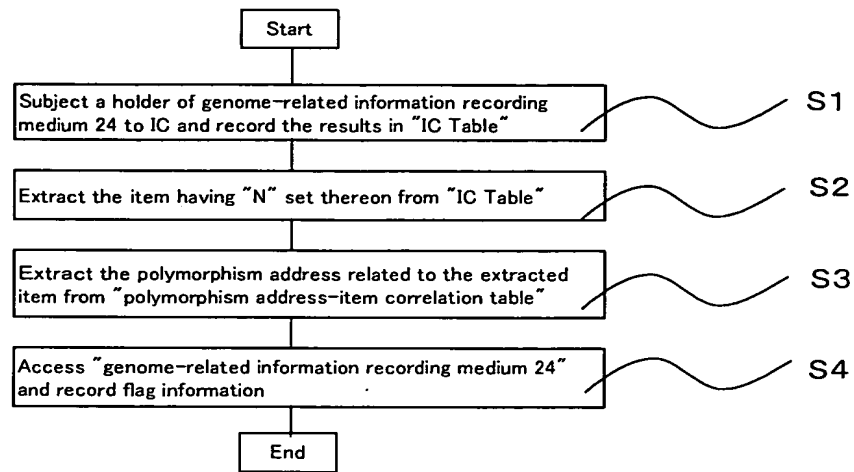


Fig. 7

| | | | |
|------|---------------------|----------------------|--|
| Gno. | 0001 | | |
| | Item | Mandatorily set item | Arbitrarily set item (Result of IC) |
| | IQ | N | |
| | Lifespan | N | |
| | Immedicable disease | | N |
| | Large-bowel cancer | | |
| | Breast cancer | | |
| | : | | |

Fig. 8

| Polymorphism address | Item |
|--------------------------|---------------------|
| 000001 | |
| 000002 | |
| : | |
| 111111 | IQ |
| : | |
| 222222 | Lifespan |
| : | |
| 333333 | IQ |
| : | |
| 444444 | Lifespan |
| : | |
| 456791 | Immedicable disease |
| : | |
| 555555 | Immedicable disease |
| : | |
| 600000 | |
| : | |
| 666666&777777 &888888 | Immedicable disease |
| : | |
| 900000 | |
| 900001 | |
| : | |

Fig. 9

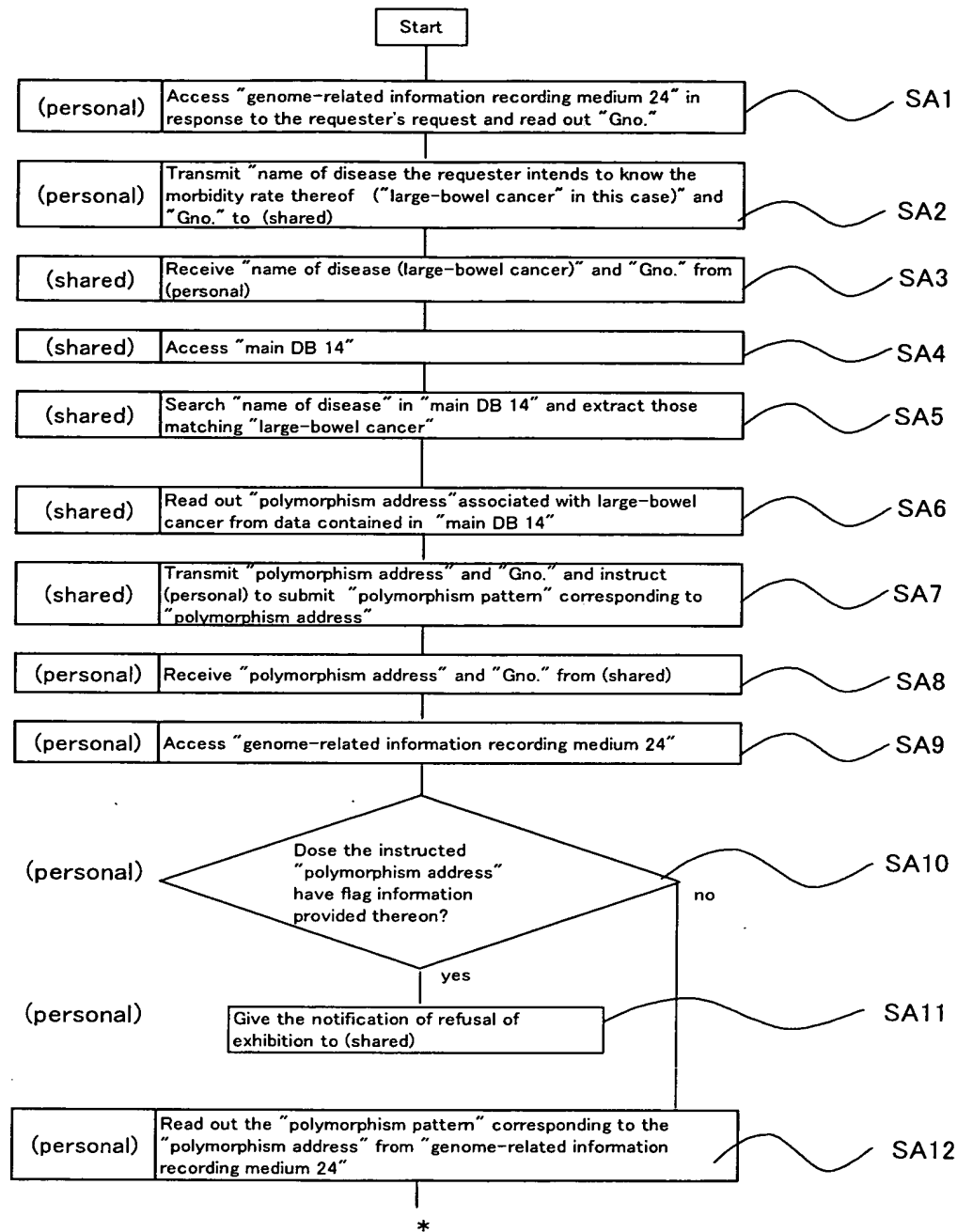


Fig. 10

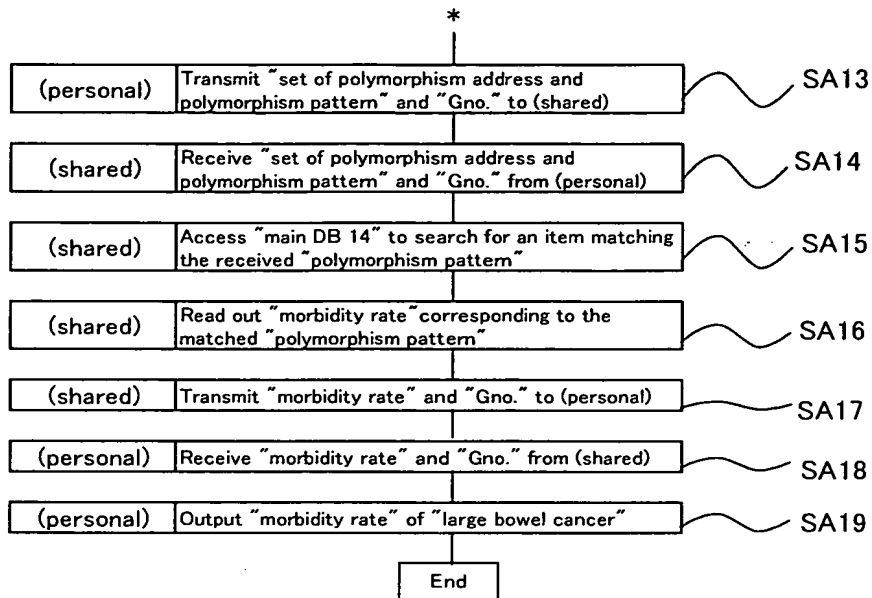


Fig. 11

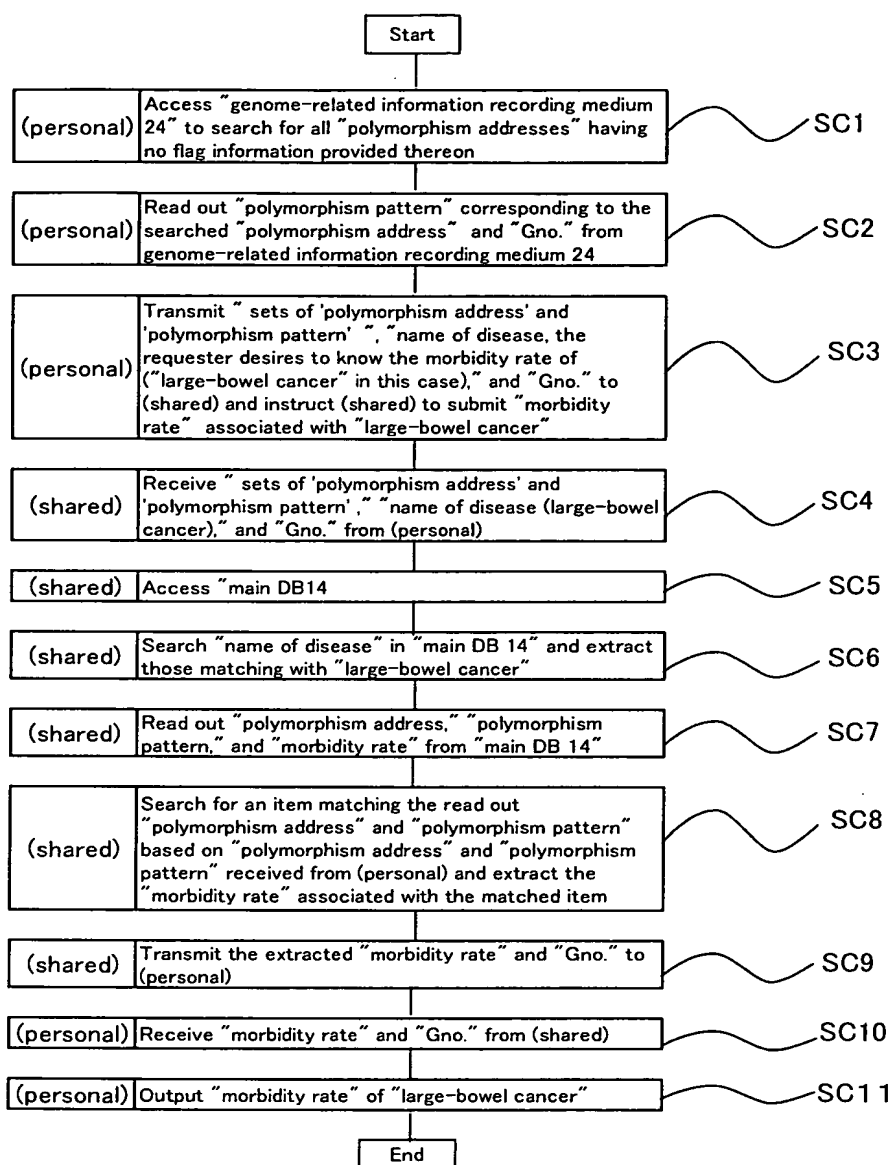


Fig. 12

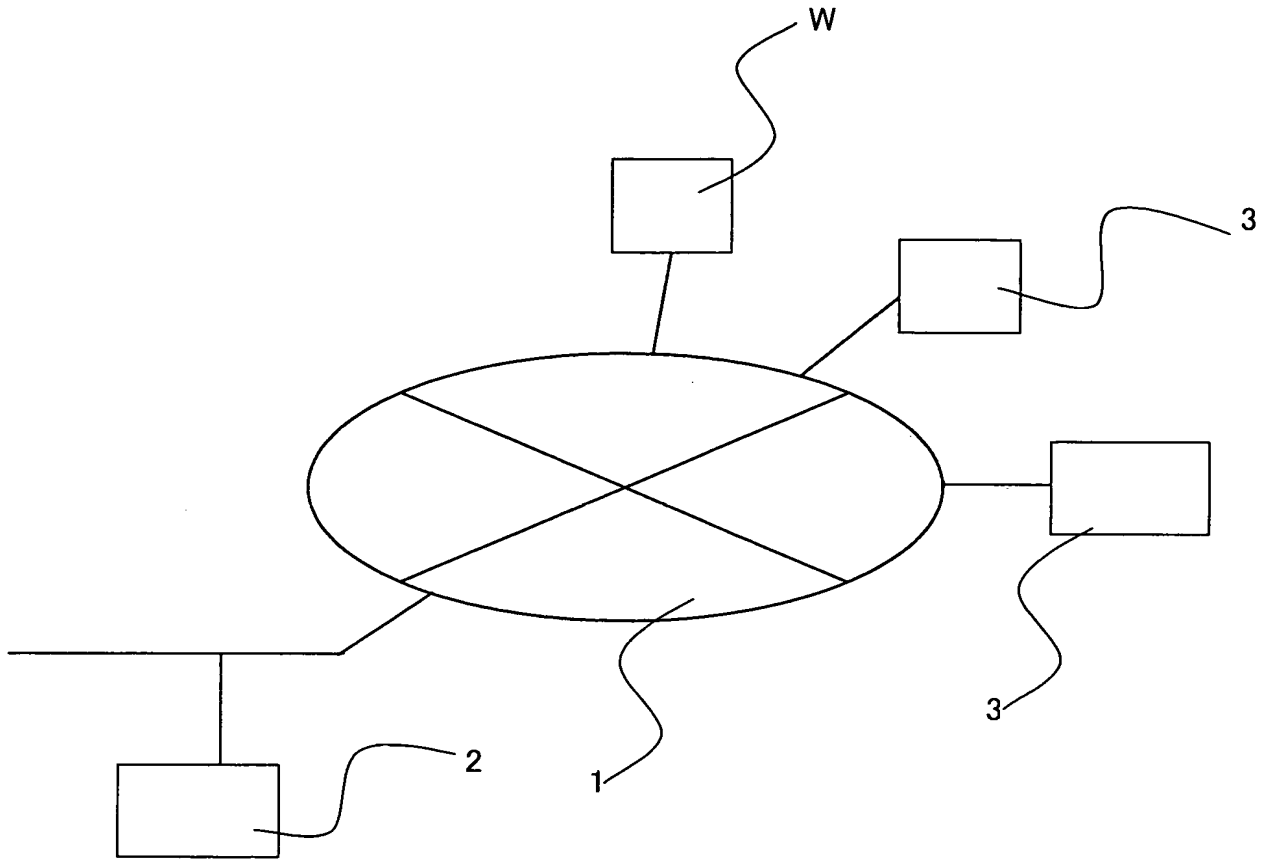


Fig. 13

| Polymorphism address | Flag information |
|--------------------------|------------------|
| 000001 | |
| 000002 | |
| : | |
| 111111 | N |
| : | |
| 222222 | N |
| : | |
| 333333 | N |
| : | |
| 444444 | N |
| : | |
| 456791 | N |
| : | |
| 555555 | N |
| : | |
| 600000 | |
| : | |
| 666666&777777 &888888 | N |
| : | |
| 900000 | |
| 900001 | |
| : | |

Fig. 14

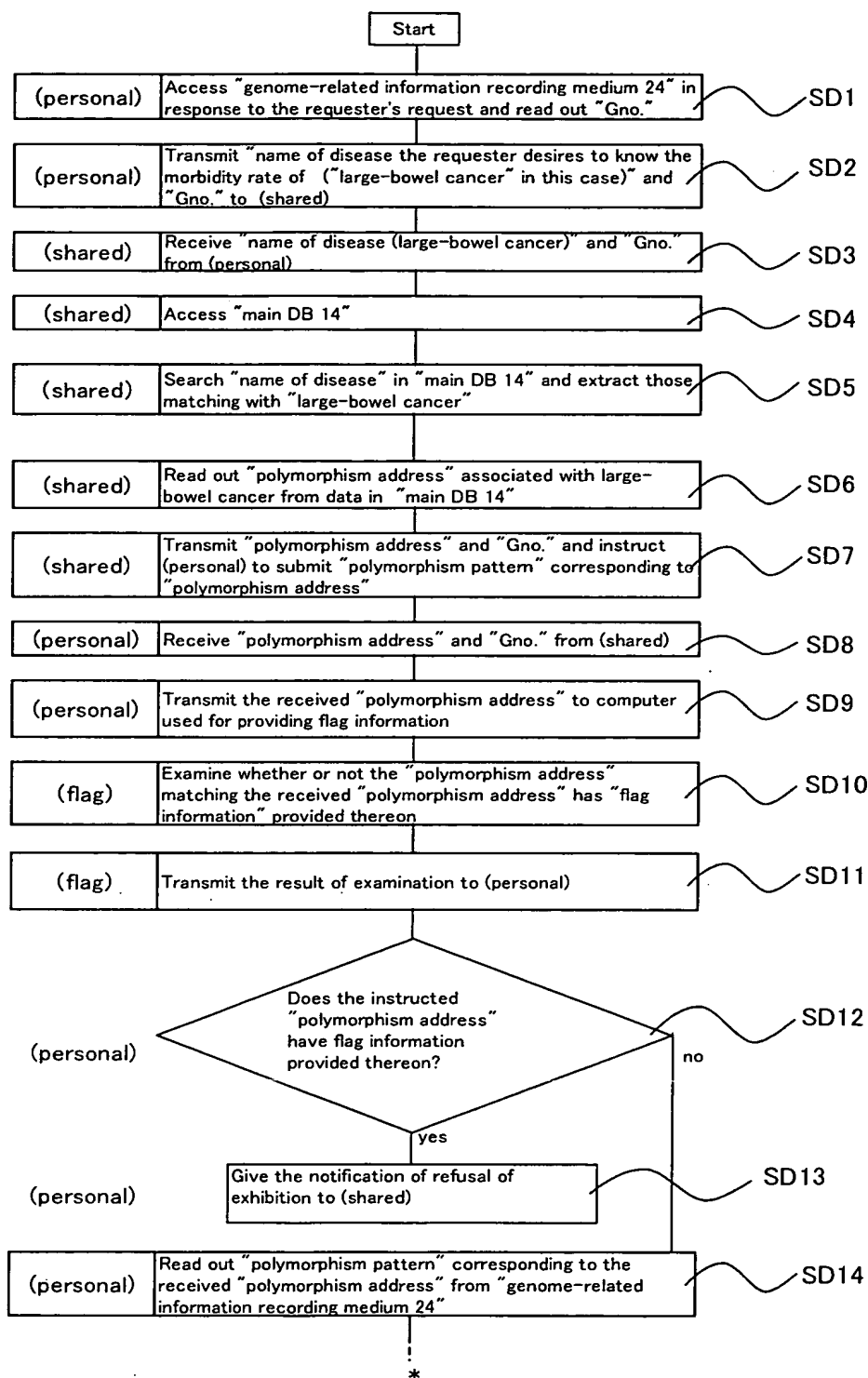


Fig. 15

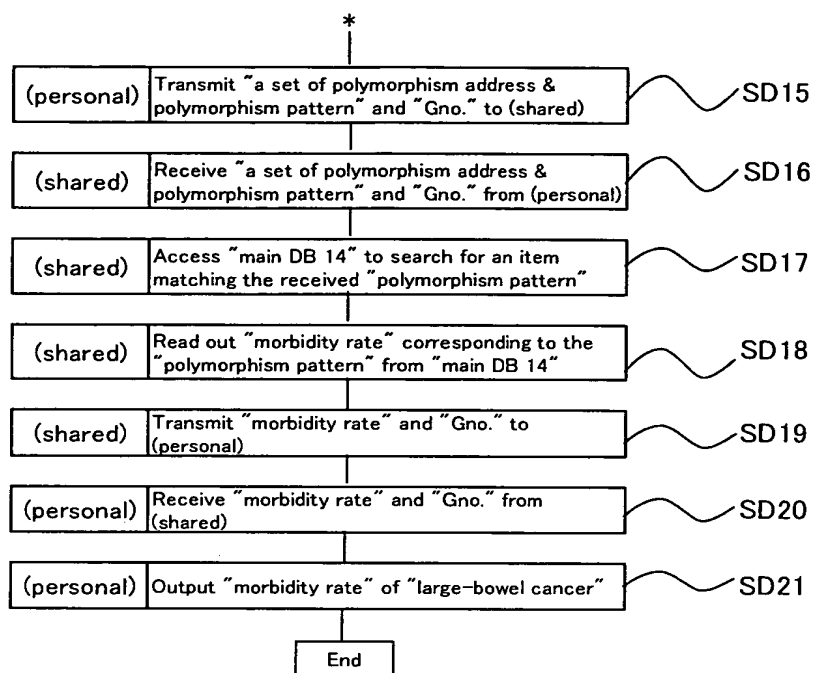


Fig. 16

